



# Markdown support inside-out

Jarno Elovirta @ DITA-OT Day 2017



# Vanity slide

I write programs

Not affiliated with Lightweight DITA SC

Started work on Markdown for DITA-OT plugin in 2015

Consultant at WunderDog. I'm available for hire, you know



Obst aus kontrolliertem Anbau

Bei 1°C Lagerung  
wird die Reifezeit  
um ca. 10 Tage  
verlängert.

Obst aus kontrolliertem Anbau

Obst aus kontrolliertem Anbau

100119

**Rio Grande**

Obst aus  
kontrolliertem  
Anbau

Variety: Cavendish  
Class I  
Minimum finger length: 20 cm  
Net weight: 18.14 kg (40 lb)  
Product of COLOMBIA  
For information contact:  
Fyffes International  
The Ramparts, Dundalk  
Co. Louth, Ireland  
GGN: 4049929509726

80225-03



# Content, not syntax

# Self-defense Against Fresh Fruit

How to defend yourself against a person armed with a banana.

- \* You force them to drop the banana.

- \* You eat the banana.



# Content, not syntax

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```
<task id="task_ihh_5vq_pbb">  
  <title>Self-defense Against Fresh Fruit</title>  
  <shortdesc>How to defend yourself against a  
  person armed with a banana.</shortdesc>  
  <taskbody><steps>  
    <step><cmd>You force them to drop the  
    banana.</cmd></step>  
    <step><cmd>You eat the  
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# Content not syntax

# Self-defense Against Fresh Fruit.↵

↵

How to defend yourself against a person armed with a banana.↵

↵

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Bored cat thinks your markup is boring



Meh





# MDITA is one subset of Markdown

LwDITA defines a mapping from Markdown structures to DITA equivalents

Markdown allows structures that cannot be represented as DITA

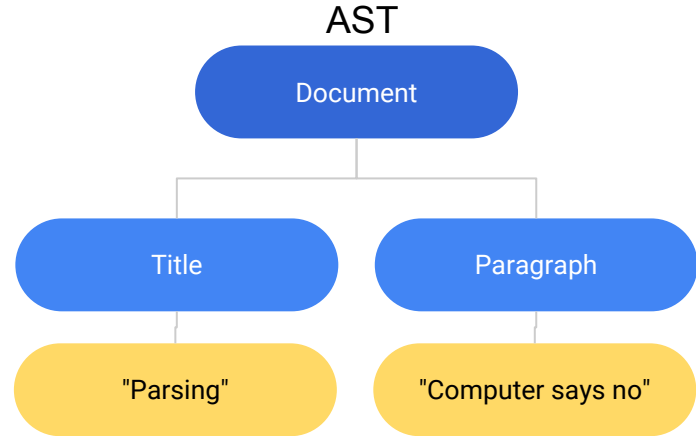
LwDITA plugin also supports a more relaxed and extended profile

HTML5 in Markdown requires another mapping to DITA

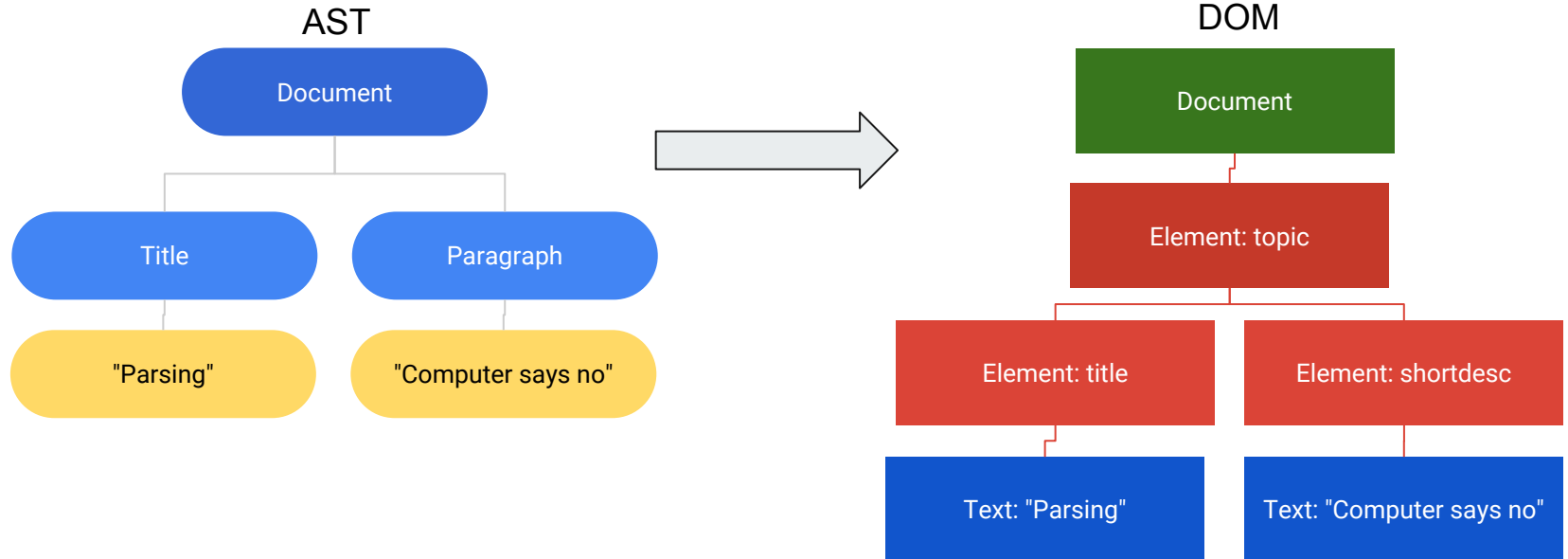


# From Unicode to XML data model

Text  
# Parsing  
Computer says "no".



# From Unicode to XML data model

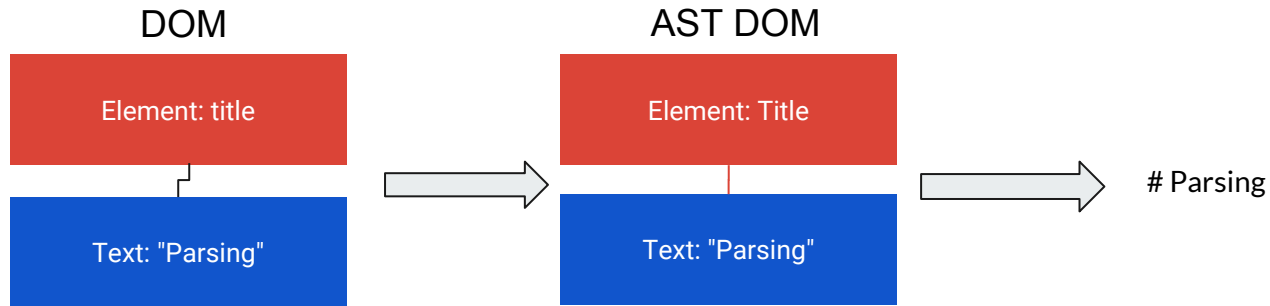




# Markdown output

Transtype for different Markdown flavours is included

Implemented via AST in XML:





# LwDITA for DITA-OT plugin project

Separate open source project by the same people

Bundled with DITA-OT 3.0

Works with older versions of DITA-OT

Goal is to release a new version of the plugin more often than DITA-OT

Long-term support is *possible*





# HDITA

HTML5 is just another syntax for DITA

HDITA is quite a strict subset of HTML5, more so than MDITA

  
**Yeah, but...**







# Ask me more

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[@jelovirt](#)

[slack.dita-ot.org](#)

[wunder.dog](#)